

DUSP4 Polyclonal Antibody

Catalog No :	YT6141
Reactivity :	Human;Mouse;Rat
Applications :	WB;ELISA
Target :	MKP-2
Fields :	>>MAPK signaling pathway
Gene Name :	DUSP4 MKP2 VH2
Protein Name :	Dual specificity protein phosphatase 4 (EC 3.1.3.16) (EC 3.1.3.48) (Dual specificity protein phosphatase hVH2) (Mitogen-activated protein kinase phosphatase 2) (MAP kinase phosphatase 2) (MKP-2)
Human Gene Id :	1846
Human Swiss Prot No :	Q13115
Mouse Gene Id :	319520
Mouse Swiss Prot No :	Q8BFV3
Rat Gene Id :	60587
Rat Swiss Prot No :	Q62767
Immunogen :	Synthesized peptide derived from human DUSP4 Polyclonal
Specificity :	This antibody detects endogenous levels of DUSP4.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500-2000, ELISA 1:10000-20000

Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	44kD
Cell Pathway :	MAPK_ERK_Growth;MAPK_G_Protein;
Background :	<p>The protein encoded by this gene is a member of the dual specificity protein phosphatase subfamily. These phosphatases inactivate their target kinases by dephosphorylating both the phosphoserine/threonine and phosphotyrosine residues. They negatively regulate members of the mitogen-activated protein (MAP) kinase superfamily (MAPK/ERK, SAPK/JNK, p38), which are associated with cellular proliferation and differentiation. Different members of the family of dual specificity phosphatases show distinct substrate specificities for various MAP kinases, different tissue distribution and subcellular localization, and different modes of inducibility of their expression by extracellular stimuli. This gene product inactivates ERK1, ERK2 and JNK, is expressed in a variety of tissues, and is localized in the nucleus. Two alternatively spliced transcript variants, encoding distinct isoforms, have been observed.</p>
Function :	<p>catalytic activity:A phosphoprotein + H(2)O = a protein + phosphate.,catalytic activity:Protein tyrosine phosphate + H(2)O = protein tyrosine + phosphate.,function:Regulates mitogenic signal transduction by dephosphorylating both Thr and Tyr residues on MAP kinases ERK1 and ERK2.,similarity:Belongs to the protein-tyrosine phosphatase family. Non-receptor class dual specificity subfamily.,similarity:Contains 1 rhodanese domain.,similarity:Contains 1 tyrosine-protein phosphatase domain.,</p>
Subcellular Location :	Nucleus .
Expression :	Skin,Uterus,

Products Images

170—
138—
100—
70—
55—
40—
35—
25—



Western blot analysis of A549 lysate, antibody was diluted at 1000. Secondary antibody(catalog#:RS0002) was diluted at 1:20000